

# HERCULES

Digital Instrumentation Display



Command Post Joystick



- Tier III Electronic Engine
- CAN-Bus Control System
- Larger Cab with controls integrated into seat
- Air Ride, High Back Swivel Seat with Joystick controls
- Automatic/Manual Power-Shift Transmission
- Digital Gauge Display
- On Board Diagnostics
- Neutral Braking
- Programmed Throttle Control
- 100 CFM Rotary Compressor

## HERCULES



**TRACKMOBILE®**  
MOBILE RAILCAR MOVERS

1602 Executive Drive  
LaGrange, Georgia 30240 USA  
(706) 884-6651 Fax: (706) 884-0390  
[www.trackmobile.com](http://www.trackmobile.com)

# HERCULES SPECIFICATIONS

**MAXIMUM TRACTIVE EFFORT:**

- 44,458 lbs to 45,870 lbs [20,166 kg to 20,806 kg] double coupled
- 28,123 lbs to 29,535 lbs [12,756 kg to 13,397 kg] single coupled

**DRIVE TRAIN CONFIGURATION:**

- Power transmitted through torque converter, transmission, and transfer case to a No-Spin differential and planetary axle assemblies.
- **Engine:** Cummins QSB6.7 turbocharged diesel engine, 6 cylinder, 4 cycle, 160 HP [119 kW] Tier III. Max. torque 539 ft. lbf. [731 Nm].
- **Transmission and Torque Converter:** Funk DF Series, four speed forward and reverse.
- **Transfer Case:** Heavy duty hardened alloy steel spur gears. Oil bath lubrication.
- **Rail Drive Axles:** Two Axletech Model PRLC, planetary type.
- **Roadwheel Drive:** Interlocking lug drive.

**FRAME:**

Heavy-duty, 2" [51 mm] thick welded frame.

**BRAKES:**

- **Rail & Road:** Hydraulic actuated disc brakes.
- **Train Brakes:** 100 CFM
- **Parking:** Spring applied, air released, disc/caliper arrangement.
- **Neutral Braking:** Automatically applies brakes in neutral.

**RAILWHEELS:**

27" [686 mm] heat treated cast steel. (AAR) specification.

**ROADWHEELS:**

16 ply 9.00x20 heavy duty mine service, rubber tires.

**RAIL GAUGE:**

Standard gauge: 56 1/2" [1435 mm]

**ELECTRICAL SYSTEM:**

12 Volt DC, 160 Amp Alternator, 925 CCA Dual Batteries.

**AIR INTAKE SYSTEM:**

2 Stage Filtration, primary + safety element.

**POWER STEERING:**

Hydraulic steering system, pivoting steering wheel.

**HYDRAULIC SYSTEM:**

Constant pressure hydraulic system, with piston pump.

**COUPLERS:**

Two heavy-duty cast steel, AAR style. Air operated, electrically controlled knuckle release.

**SANDERS:**

Air operated, electrically controlled eight sanders.

**LIGHTS:**

- Operator's cab, interior dome, one clear, one red.
- Rail Mode & Road Mode - 6 halogen lights, 3 each front & rear.
- 2 tail & stop combination, rear mounted.
- 2 Lateral work lights to illuminate roadbed.
- Step lights.

**OPERATOR CAB:**

Totally enclosed 360 degree visibility. Sound level under 85 dBA. Two doors, front & rear. Isolation mounts for body frame and cab. Air suspension seat with 180° swivel. Full instrumentation with digital video display. Cup holders. Rear coupler alignment camera. Arm rest controls. Rearview mirror. Cab heater. Defroster fans. Sun visor. Windshield wipers and washers. Strobe light. Fold down jump seat.

**WARNING SIGNAL:**

Blast type air horn, automatic backup alarm for road operation. Electric alarm.

**OPTIONS:**

5 & 10# fire extinguishers, air conditioning, auxiliary transmission oil cooler, performance package (additional 3,900 LBS and 185 HP), battery wrap heater, cab window extension, camera location options, cold weather fluids, cylinder rod protectors, engine block heater, engine oil pan heater, foam filled tires, (GCS) Ground Control System, hydraulic tank heater, MAX-TRAC wheel slip control, MAX-TRAN® automatic weight transfer system, radio control, switch control spot light, train air charge indicator, transmission oil heater, track mirrors/ cab side, track mirrors/off side, turn signals, V shaped snow plow, wide traverse couplers for sharp curves/long cars.

HERCULES DIMENSIONS			
	On Rail AAR Clearance Pattern Maintained		On Road
Wheel Base	127.0"	3226 mm	65.4" 1661 mm
Length	170.0"	4318 mm	170.0" 4318 mm
Width	122.6"	3114 mm	122.6" 3114 mm
Height	**145.3"	3691 mm	153.0" 3886 mm
Weight	35,720 lbs. [16,202 kg]		

TABLE OF PERFORMANCE			
Maximum Speed* (Both Directions)	On Rail		On Road
Low	2.4 MPH	[3.9 km/h]	1.5 MPH [2.4 km/h]
2nd gear	4.0 MPH	[6.4 km/h]	2.5 MPH [4.0 km/h]
3rd gear	8.0 MPH	[12.9 km/h]	5.1 MPH [8.2 km/h]
4th gear	13.6 MPH	[21.9 km/h]	8.7 MPH [14.0 km/h]

\*Actual speeds obtained will depend on grade, load, track conditions and other factors.

\*\*Shipping height will increase by 1 1/2" due to rail flange plus any necessary truck blocking required.

Trackmobile® LLC reserves the right to change specifications at any time without prior notice.

**TRACKMOBILE® LLC**  
 1602 Executive Drive  
 LaGrange, Georgia 30240 USA  
 (706) 884-6651 FAX (706) 884-0390  
 E-Mail: trackmobile@trackmobile.com  
 www.trackmobile.com

